

Transverse Energy Measurements with the PHENIX Detector at RHIC

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Abstract

Transverse energy (E_t) is one of the global variables, which provides valuable information regarding the dynamics of nucleus-nucleus collisions. The first measurements of transverse energy distributions at mid-rapidity for $\sqrt{s}=56$ and 130 A GeV Au-Au collisions at RHIC in the PHENIX detector are presented. The correlation of transverse energy with the number of forward neutrons is shown. The centrality dependence is discussed. The amount of E_t per participant pair is derived and compared with results at lower beam energy.
